

1. ON FARM TECHNOLOGIES: DISPLAY/TEACHING

A. Housing

1. Traditional All Mud Walls Grass Thatched House Roof Carried By Wall
2. Traditional All Mud Walls Grass Thatched House Roof Carried By Wooden Pillars
3. Traditional Unburned Brick And Grass House
4. Modern Burned Brick Corrugated Iron Sheet House
5. Modern Sand Cement Bloc Corrugated Iron Sheets House
6. Clay, Sand, Cement , Cement Bloc Corrugated Iron Sheets
7. Alternative Natural Stone Corrugated Iron Sheet House

Special Problem Is Alternative Roofing Techniques And Technologies

B. Cropping Land Use

1. Cultivation Without Water Harvesting Structures
2. Cultivation With Biomass Misonzo
3. Cultivation With Stone /Masonry Misonzo
4. Cultivation With Levo
5. Cultivation With Fanya Juu Terraces
6. Manure/Compost Making Structures
7. Agro Forestry Trees And Shrubs For Pest And Disease Control
8. Agro Forestry For Nitrogen And Phosphorous Fixation
9. Agro Forestry For Silviculture

Special Problem Is Alternative Land Handling Technology –Beyond The Mold Board Plough

C. Grazing Land Use

1. Grazing Without Trees
2. Grazing With Trees
3. Agro Forestry For Timber /Fuel Wood
4. Agro Forestry For Fodder
5. 2 Hectares Chain Link Protected Natural Growth To Establish Succession And Seed
6. Stall Feeding
7. Silage Making Structures

Special Problem Is Feeding/Watering And Milking Techniques

D. Water Harvesting: Roof, Compound, Terraces, Roadside, Valleys, Micro-Irrigation

Special Problem Is Affordable Technologies For The Same

E. On Farm Storing

Kiinga, Utaa, Moa Type, Aim Type, Schellenberg Concrete, Plastic Water Tanks As Grain Stores

F. On Farm Energy Sources- Biomass, Biodiesel, Solar, Wind, Biogas, Coal, Pumping? Communication?

G. On Farm Value Addition: Thrashing, Drying, Processing And Conversion Of Farm Products

H. Small Scale Business Development: Grading, Packaging, Transporting Etc

2. CENTER ENERGY SOURCES: Biomass, Solar, Wind, Biogas, Electric Generator, Coal

3. CENTER WATER SOURCES: Wells, Sand Dams, Roof Harvesting, Compound Harvesting

4. CENTER TEACHING AND BOARDING STRUCTURES

5. FACILITIES FOR EXTERNAL VOLUNTEERS

1. Boarding For 20 People
2. Support Structures